

REMARKS

This paper is submitted in response to the Notice of Missing Requirements dated April 30, 2001, which was issued in the above-identified application.

The specification has been amended to insert sequence identification numbers at the appropriate places. Attached hereto is a marked-up version of the changes made to the claims by the instant amendment as required pursuant 37 C.F.R. 1.121(b)(iii).

These amendments are fully supported by the Specification and Sequence Listing as filed and do not constitute new matter.

This paper is submitted in response to the Notice of Missing Requirements dated April 30, 2001, which was issued in the above-identified application alleges that the application fails to comply with the requirements of 37 C.F.R. 1.821 through 1.825. Applicants submit herewith a Substitute Sequence Listing in paper and computer readable form. The content of the paper and computer readable copies of the Substitute Sequence Listing submitted in accordance with 37 C.F.R. §1.821(c) and (e) are the same and do not include new matter.

Applicants believe no fee is required with this submission. Please charge any additional fee associated with this filing or credit any overpayment to Deposit Account No. 02-4377. Two copies of this paper are enclosed.

A copy of the Notification of Missing Requirements is enclosed.

Respectfully submitted,



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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE SPECIFICATION**

Please delete the Sequence Listing and substitute therefor, the Substitute Sequence Listing included herewith.

Please **amend** the text beginning at page 41, line 10 and ending at page 41, line 13 with the following rewritten text:

**Oligo 7:** 5' GCGTCGACGC GATGGGTTTC GTGCTTTTCT CTCAGCTTCC  
ATCTTTCCTT CTTGTGTCTA CTCTTCTTCT TTTCC 3'  
(SEQ. ID. NO. 5)

**Oligo 8:** 5' TCGCCGGCAC GGCAAGAGTA AGAGATCACA AGGAAAAGAA  
GAAGAGTAGA CACAAGAAGG AAAGATGGAA GC 3'  
(SEQ. ID. NO. 6)

Please **amend** the paragraph beginning at page 42, line 9 and ending at page 42, line 11 with the following rewritten text:

**Oligo 9:** 5' GATAAGCTTA TCGGTTCCCTG CGTGTGGGGT GCTGTGAACT  
ACACTTCCGA TTGCAACGGT GAGTGCAAGA GGAGGGGTTA 3'  
(SEQ. ID. NO. 7)

**Oligo 10:** 5' CCGGATCCGT CGACACGTTC GCCTCGCCGA GCTCTCAAGT  
CTCGCACCAG CAGTTCACGT TAGCGAAGGA ACCGCAGTGA  
CCACCCTTGT AACCCCTCCT CTTGCACTC 3' (SEQ. ID. NO. 8)

Please **amend** the paragraph beginning at page 44, line 15 and ending at page 44, line 17 with the following rewritten text:

**Oligo 11:** 5' AGGGCCCCCT AGGGTTTAAA CGGCCAGTCA GGCCGAATTC  
GAGCTCGGTA CCCGGGGATC CTCTAGAGTC GACCTGCAGG  
CATGC 3' (SEQ. ID. NO. 9)

**Oligo 12:** 5' CCCTGAACCA GGCTCGAGGG CGCGCCTTAA TTA AAAAGCTT  
GCATGCCTGC AGGTCGACTC TAGAGG 3' (SEQ. ID. NO. 10)

Please **amend** the paragraph beginning at page 46, line 19 and ending at page 46, line 21 with the following rewritten text:

**Oligo 13:** 5' CCGGCCAGTC AGGCCACACT TAATTAAGTT TAAACGCGGC  
CCCGGCGCGC CTAGGTGTGT GCTCGAGGGC CCAACCTCAG  
TACCTGGTTC AGG 3' (SEQ. ID. NO. 11)

**Oligo 14:** 5' CCGGCCTGAA CCAGGTA CTG AGGTTGGGCC CTCGAGCACA  
CACCTAGGCG CGCCGGGGCC GCGTTTAAAC TTAATTAAGT  
GTGGCCTGAC TGG 3' (SEQ. ID. NO. 12)

Please **amend** the text beginning at page 48, line 9 and ending at page 48, line 10 with the following rewritten text:

**Oligo 15:** 5' GGTCTAGAAT GGCCTGCACC AACAACGCCA TGAGGGCCCT  
CTCCTCCTC 3' (SEQ. ID. NO. 13)

**Oligo 16:** 5' CCGAATTCGG CGCCGTGCAC GATGCAGAAG AGCACGAGGA  
GGAAGAGGGC 3' (SEQ. ID. NO. 14)

Please **amend** the text beginning at page 49, line 9 and ending at page 49, line 10 with the following rewritten text:

**Oligo 17:** 5' GATAAGCTTA TCGGTTCTG CGTG 3' (SEQ. ID. NO. 16)

**Oligo 18:** 5' GGCTCGAGTC AAGTCTCGCA CCAGCAGTTC AC 3'  
(SEQ. ID. NO. 17)

Please **amend** the text beginning at page 59, line 10 and ending at page 59, line 13 with the following rewritten text:

**Oligo 19:** 5' GATCCTTCGC TAACGTAAAC TGTTGGTGTA GAACCTGATA  
GG 3' (SEQ. ID. NO. 27)

**Oligo 20:** 5' TCGACCTATC AGGTTCTACA CCAACAGTTA ACGTTAGCGA  
AG 3' (SEQ. ID. NO. 28)

Please **amend** the paragraphs beginning at page 59, line 25 and ending at page 59, line 26 with the following rewritten paragraphs:

**Oligo 21:** 5' CTAGTGA CTG CAACGGCGAG TGCTTGTTGC GC 3'  
(SEQ. ID. NO. 29)

**Oligo 22:** 5' GCAACAAGCA CTCGCCGTTG CAGTCA 3' (SEQ. ID. NO. 30)

Please **amend** the paragraph beginning at page 60, line 17 and ending at page 60, line 18 with the following rewritten paragraph:

**Oligo 23:** 5' CTAGTGA CTG CGCTGCTGAG TGCAAGCGGC GC 3'  
(SEQ. ID. NO. 31)

**Oligo 24:** 5' GCCGCTTGCA CTCAGCAGCG CAGTCA 3' (SEQ. ID. NO. 32)

Please **amend** the paragraph beginning at page 61, line 3 and ending at page 60, line 7 with the following rewritten paragraph:

**Oligo 25:** 5' AGCTTGGATA AAAGAGCTGC-TGCTGCTGGT AGCTGTGTTT 3'  
(SEQ. ID. NO. 33)

**Oligo 26:** 5' GGGGCGCCG TCAACTACA 3' (SEQ. ID. NO. 34)

**Oligo 27:** 5' CTAGTGTAGT TGACGGCGCC CC 3' (SEQ. ID. NO. 35)

**Oligo 28:** 5' AAACACAGCT ACCAGCAGCA GCAGCTCTTT TATCCA 3'  
(SEQ. ID. NO. 36)

Please **amend** the paragraph beginning at page 61, line 18 and ending at page 61, line 19 with the following rewritten paragraph:

**Oligo 29:** 5' CTAGTGA CTG CGCTGCTGAG TGCTTGTTGC GC 3'  
(SEQ. ID. NO. 37)

**Oligo 30:** 5' GCAACAAGCA CTCAGCAGCG CAGTCA 3' (SEQ. ID. NO. 38)